

**DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

☒ Original    ☐ Supplemental    ☐ Substitute    ☐ PCT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "**THERAPEUTIC EXERCISE SYSTEM AND METHOD FOR A PARALYZED AND NONPARALYZED NEUROMUSCULOSKELETAL TRAINING SYSTEM**", which is described and claimed in the specification

(check one)    ☐ which is attached hereto, or  
                  ☐ which was filed on \_\_\_\_\_, as United States Application No. \_\_\_\_\_ and with amendments through (if applicable), or  
                  ☒ in International Application No. PCT/US03/19344, filed June 18, 2003.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known by me to be material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code §119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) or §365(b) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATIONS: (ENTER BELOW IF APPLICABLE)			PRIORITY CLAIMED (MARK APPROPRIATE BOX BELOW)	
APP. NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	YES	NO

I hereby appoint the attorneys and/or agent(s) associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer No. 23859

Address all telephone calls to Gregory J. Kirsch at telephone no. (678) 420-9300.

Address all correspondence to the address associated with:

Customer No. 23859

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Richard Shields

Inventor Signature:

*Richard K. Shields*

Date:

*5/12/05*

Residence:

3335 Rohret Road, SW, Iowa City, Iowa 52240

Post Office Address:

Citizenship:

United States

**ASSIGNMENT**

**WHEREAS**, I, Richard Shields, of 3335 Rohret Road, SW, Iowa City, Iowa 52240, invented new and useful improvements in "THERAPEUTIC EXERCISE SYSTEM AND METHOD FOR A PARALYZED AND NONPARALYZED NEUROMUSCULOSKELETAL TRAINING SYSTEM" for which an international patent application was filed on June 18, 2003, and assigned international application number PCT/US03/19344, which subsequently entered the National Phase on December 17, 2004, and which claims priority to U.S. Provisional Application No. 60/389,850 filed June 18, 2002; and

**WHEREAS**, University of Iowa Research Foundation, whose post-office address is Oakdale Research Campus, 214 Technology Innovations Center, Iowa City, Iowa 52242, is desirous of acquiring the entire right, title and interest in the same, both foreign and domestic;

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, I, Richard Shields, hereby do sell, assign and transfer unto said University of Iowa Research Foundation, the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application; the same for University of Iowa Research Foundation's legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment and sale not been made;

**AND**, I hereby bind myself, my heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything

possible to aid University of Iowa Research Foundation, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world.

I also authorize counsel for University of Iowa Research Foundation to enter above the filing date and application number of the application when they become available.

IN WITNESS WHEREOF, I have executed this Assignment this 12<sup>th</sup> day of May, 2005.

Richard Shields (L.S.)  
Richard Shields

State of Iowa

County of Johnson

On this 12<sup>th</sup> day of May, 2005, before me, a Notary Public, came Richard Shields, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.

Carol A Leigh  
Notary Public

My Commission Expires: 10-10-06

